

In the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently amended) A backlight unit for a liquid crystal display, ~~comprising a light source having a plurality of basic cell structures, wherein each basic cell structure consists of three unique colors of first, second, and third light emitting diodes, arranged in a first equilateral triangle, comprising:~~

a light source comprising:

three basic cell structures, wherein each basic cell structure, comprising:

three unique colors of first, second, and third light emitting diodes, arranged in a first approximately equilateral triangle; and

a fourth light emitting diode,

wherein three basic cell structures are arranged in a second approximately equilateral triangle;

wherein the fourth light emitting diode is disposed in the center of the second approximately equilateral triangle.

2. (Original) The backlight unit as claimed in claim 1, wherein the first light emitting diode is red, the second light emitting diode is green, and the third light emitting diode is blue.

3. (Currently amended) The backlight unit as claimed in claim 1, wherein the fourth light emitting diode is green~~the quantities of the red, the blue, and the green light emitting diodes are in a ratio of 1:1:2.~~

4-5. (Cancel)

6. (Original) The backlight unit as claimed in claim 5, wherein the fourth light emitting diode is green.

7. (Original) The backlight unit as claimed in claim 1, wherein intensity of the light produced by the basic cell structures is varied by varying power to one of the light emitting diodes.

8. (Original) The backlight unit as claimed in claim 7, wherein the power to the second light emitting diode is twice that of the first or the third light emitting diodes.

9. (Original) The backlight unit as claimed in claim 1, further comprising a planar surface, on which the light source is disposed.

10. (Original) The backlight unit as claimed in claim 1, further comprising a dispersion device and a light controlling device, provided above the light source to control produced light.

11. (Currently amended) ~~A liquid crystal display, comprising a backlight unit, further comprising a light source having a plurality of basic cell structures, wherein each basic cell structure consists of three unique colors of first, second, and third light emitting diodes, arranged in a first equilateral triangle, comprising:~~
a backlight unit; and
a light source comprising:
three basic cell structures, wherein each basic cell structure, comprising:
three unique colors of first, second, and third light emitting diodes, arranged in a first equilateral triangle; and
a fourth light emitting diode.

wherein three basic cell structures are arranged in a second equilateral triangle;
wherein the fourth light emitting diode is disposed in the center of the second equilateral triangle.

12. (Original) The liquid crystal display as claimed in claim 11, wherein the first light emitting diode is red, the second light emitting diode is green, and the third light emitting diode is blue.

13. (Currently amended) The liquid crystal display as claimed in claim 1, wherein the fourth light emitting diode is green ~~the quantities of the red, the blue, and the green light emitting diodes are in a ratio of 1:1:2.~~

14-15. (Cancel)

16. (Cancel)

17. (Original) The liquid crystal display as claimed in claim 11, wherein intensity of the light produced by the basic cell structures is varied by varying power to one of the light emitting diodes.

18. (Original) The liquid crystal display as claimed in claim 17, wherein power to the second light emitting diode is twice that of the first or the third light emitting diodes.

19. (Original) The liquid crystal display as claimed in claim 11, further comprising a planar surface, on which the light source is disposed.

20. (Original) The liquid crystal display as claimed in claim 11, further comprising a dispersion device and a light controlling device, provided above the light source to control produced light.